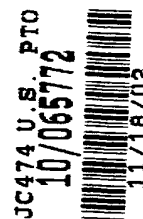


Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 19984
Application ID: 10065772
Title of Invention: APPARATUS AND METHODS FOR
OPTIMIZING REACTOR CORE
COOLANT FLOW DISTRIBUTIONS
First Named Inventor: Hwang Choe
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-11-18
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 24-NS-6042
Digital Certificate Holder: cn=Michael Tersillo, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: k8/PH7x4DVRf3TKXXQ19dA==
Total Fees Authorized: \$990.0
Payment Category: DA - Deposit Account
Deposit Account Number: 12384
Deposit Account Name: Michael Tersillo



TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket
Number:24-NS-
6042Submission Type: Utility Patent
Filing**APPARATUS AND METHODS FOR
OPTIMIZING REACTOR CORE
COOLANT FLOW DISTRIBUTIONS**

First Named Inventor: Hwang Choe

SUBMITTED BY

Name:

Michael Tersillo

Registration Number:

42180

Electronic Signature Mark: Michael
Tersillo

Date Signed: 20021118

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration

Dec1.tif

declaration

Dec2.tif

declaration
declaration
bibd-transmittal
patent-assignments
us-information-disclosure-statement
fee-transmittal
specification

Dec3.tif
Dec4.tif
12551-211apds.xml
12551-211asgn.xml
12551-211ids.xml
12551-211fee.xml
Document3.xml

Attached Image File(s):

Dec1.tif
Dec2.tif
Dec3.tif
Dec4.tif

Comments:

DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.

24-NS-6042

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **APPARATUS AND METHODS FOR OPTIMIZING REACTOR CORE COOLANT FLOW DISTRIBUTIONS**, the specification of which:

(check one) ☒ is attached hereto

☐ was filed on _____ as Application Serial No. _____
and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56(a).

I hereby claim priority benefits under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112. I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date	Additional provisional application numbers are listed on a supplemental priority sheet attached hereto.
_____	_____	_____

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Ronald E. Myrick, Reg. No. 26,315; Henry J. Policinski, Reg. No. 26,621; and James W. Mitchell, Reg. No. 25602, all of General Electric Company, 3135 Easton Turnpike, Fairfield, CT 06431; James E. McGinness, Reg. No. 33,260, GE Nuclear Energy, PO Box 780, 3901 Castle Hayne Road, M/CA11, Wilmington, NC 28401; John S. Beulick, Reg. No. 33,338; Patrick W. Rasche, Reg. No. 37,916; Michael Tersillo, Reg. No. 42,180; Bruce T. Atkins, Reg. No. 43,476; Robert B. Reeser, III, Reg. No. 45,548, Thomas M. Fisher, Reg. No. 47,564 and Daniel M. Fitzgerald, Reg. No. 38,880, all of Armstrong Teasdale, One Metropolitan Square, Suite 2600, St. Louis, MO 63102-2740

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Direct Telephone Calls To:

John S. Beulick
314/621-5070

DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.

24-NS-6042

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application and any patent issued thereon.

SOLE OR FIRST INVENTOR:

Full Name: Hwang ChoeSignature: Hwang ChoeDate: 11/6/2002Residence: Saratoga, CA 95070Citizenship: U.S.A.Post Office Address: 20580 Sevilla Lane, Saratoga, CA 95070

SECOND JOINT INVENTOR:

Full Name: Jose L. CasillasSignature: Jose L. CasillasDate: 11/6/2002Residence: Cupertino, CA 95014Citizenship: U.S.A.Post Office Address: 1381 Poppy Way, Cupertino, CA 95014

THIRD JOINT INVENTOR:

Full Name: Sig WolfSignature: Sig WolfDate: 11/6/2002Residence: Sunnyvale, CA 94087Citizenship: U.S.A.Post Office Address: 806 Nisqually Drive, Sunnyvale, CA 94087

FOURTH JOINT INVENTOR:

Full Name: Mark Joseph Colby

Signature: _____

Date: _____

Residence: Wilmington, NC 28405Citizenship: U.S.A.Post Office Address: 8333 Vintage Club Circle, Wilmington, NC 28405

DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.

24-NS-6042

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **APPARATUS AND METHODS FOR OPTIMIZING REACTOR CORE COOLANT FLOW DISTRIBUTIONS**, the specification of which:

(check one) ☒ is attached hereto

☐ was filed on _____ as Application Serial No _____
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314/621-5070

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Attorney's Docket No.

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SOLE OR FIRST INVENTOR:

Full Name: Hwang Choe

Signature: _____ Date: _____

Residence: Saratoga, CA 95070Citizenship: U.S.A.Post Office Address: 20580 Sevilla Lane, Saratoga, CA 95070

SECOND JOINT INVENTOR:

Full Name: Jose L. Casillas

Signature: _____ Date: _____

Residence: Cupertino, CA 95014Citizenship: U.S.A.Post Office Address: 1381 Poppy Way, Cupertino, CA 95014

THIRD JOINT INVENTOR:

Full Name: Sig Wolf

Signature: _____ Date: _____

Residence: Sunnyvale, CA 94087Citizenship: U.S.A.Post Office Address: 806 Nisqually Drive, Sunnyvale, CA 94087

FOURTH JOINT INVENTOR:

Full Name: Mark Joseph ColbySignature: Mark Joseph Colby Date: 11/15/2002Residence: Wilmington, NC 28405Citizenship: U.S.A.Post Office Address: 8333 Vintage Club Circle, Wilmington, NC 28405

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 990

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 01-2384



Deposit Account Name: ARMSTRONG TEASDALE LLP

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

SUBMITTED BY

Authorized Name: Michael Tersillo

Electronic Signature Mark: Michael Tersillo

Date Signed: 20021118

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 27	1202	\$ 18	7	\$ 126
Independent Claims: 4	1201	\$ 84	1	\$ 84

Subtotal For Extra Claims Fees: \$ 210

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40